

University News

NOVEMBER 1, 1986

Re: 1.00

Volume 1
Number 1



Dr. D.P. Barooah, Vice-Chancellor, Gauhati University, lighting the lamp to mark the inauguration of the East Zone Inter-University Youth Festival. Seen on his left are Shri Bhisim Narain Singh, Governor of Assam, Meghalaya & Sikkim and Shri P.K. Mahanta, Chief Minister of Assam.

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

**"VIKRAM SARABHAI AWARD"
FOR
ORIGINAL BOOKS IN HINDI
FOR 1985**

To promote Indian authorship on books on Space Science and Technology in Hindi, Department of Space has decided to implement a scheme for awarding prizes to Indian authors writing original books in Hindi on Space Science and Technology.

The subjects relating to Space Science and Technology identified are given below:

- * Rockets
- * Satellites
- * Space Applications
- * Satellite Communications
- * Remote Sensing
- * Aerial Survey
- * Meteorology
- * Astronomy
- * Geodesy
- * Astro-physics
- * Space Medicine
- * Space Engineering

VALUE OF AWARDS: Every calendar year, one award of Rs.10,000/- will be given to the best entry:

The winner of an award as above will not be entitled to claim any other advantage or assistance from the Department. Only those books having the standard of degree/University level would be considered under the scheme.

If any year, it is found that there is no entry of appropriate standard, the decision of the Department of Space in this behalf will be final. Original works in Hindi published during the 1985 will be eligible for consideration.

The books, submitted during a calendar year, will be assessed by an Evaluation Committee set up by the Department of Space for recommendations. The final decision will rest with the Secretary, Department of Space (DOS).

Any book which has received any award, subsidy or any other financial assistance under any other scheme operated by the Government of India, any State Government or private body would not be eligible for consideration of an award under this scheme.

The book selected will be recommended for bulk purchases in DOS/ISRO'S Centres/Units on a need basis.

Employees of DOS/ISRO will also be allowed to participate in the above scheme, but the books written in Hindi by the Employees of DOS/ISRO shall be judged with reference to the special facilities available to them.

Other Government servants who wish to participate in the said scheme will have to obtain necessary permission of the competent authority concerned for receipt of award before submission of the entries for consideration.

Application alongwith original books may be sent to Dr. S.P. Kosta, Director, Publications and Public Relations Unit, ISRO HQrs, Cauvery Bhawan, Bangalore-560009 within three months from the date of publication of this advertisement.

dasp 86/268



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UNIVERSITY NEWS

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do not necessarily reflect the
policies of the Association.**

Editor :
SUTINDER SINGH

UNIVERSITY RESEARCH

D. P. Verma*

People in the academic world mostly know what George Bernard Shaw had observed about the characteristics of those going in for teaching. Perhaps what Shaw pronounced was not wholly correct. Many teachers have been men of action as well. Their research activities and programmes have brought about profound changes in man's life as such. However, some thirty-five years or so ago, a Professor in one of our leading universities used to say that if a student copied from a book, or a piece of paper in university examination, he was disqualified for a few years; but one who copied from a few dozen books was awarded a Ph.D. degree. Since then the 'academic rivulets' in the country have become considerably drier, and now the act of copying is not spread over to a few dozens of books; only a few are sufficient and in some exceptional cases, even lesser number has served the purpose.

The system of higher education in India, conceived for a limited purpose had constantly been criticised; it suffered from many deficiencies, and even after the attainment of Independence, we by our hasty, ill-conceived and unacademic policies brought about further deterioration in it. Sometimes, some ill-considered decisions were taken and their long range implications were not visualised. For example, in Punjab, sometimes in the Fifties, the State Government decided to regulate the grant of annual increments to the teachers in the colleges on the basis of the pass percentage of the university examination results in the subjects concerned. It was thought that this would improve teaching in the colleges and the faculty would put in more work in order to improve quality. But the decision proved to be counter-productive. Linking of annual increments of teachers, which is usually a routine matter for those working in other departments/organisations, with the university pass percentage, which was dependent on so many other factors as well, led to the spread and perpetuation of many a malpractices. These have to a very great extent reduced the credibility of the entire examination system. The malady in a way, has even been institutionalised.

Indulging in malpractices during examination is no longer an isolated or individual prank. Some of the so-called well-known institutions have specialised in using subtle means to win laurels and public acclaim for their 'marvellous' results. Thus the very foundations of the structure of higher education system have been impregnated with evil practices and these have made a mockery of the examinations, even at the postgraduate level.

And the pollution has now spread to the upper reaches of the higher academic ranges. In the circumstances obtaining, it could not be otherwise. The doctor himself has become oblivious of the malady he was supposed to cure.

A good deal of stress is being laid on the undertaking of research in the universities, and to some extent in the colleges. One of the objectives of the university system is to expand the horizons of knowledge. The

***Secretary to Vice-Chancellor, Kurukshetra
University, Kurukshetra.**

research undertakings are essentially meant for the realisation of this objective and also in pursuit of search for the truth. This remains a valid goal in some of the well-known universities. But in our country, barring some exceptions, the only purpose to secure a Ph.D. degree is to get a University job. In matter of the so-called 'merit promotion scheme' a research degree came in handy to get to the next rung of the ladder, though some made the grade even without any contribution whatsoever. It may be pertinent to mention here briefly some of the observations made by one of our very leading scientists, Prof. C.N.R. Rao, Chairman of the Advisory Committee to the Prime Minister on Science and Technology, while delivering Dr. A.C. Joshi Memorial Lecture in Panjab University on 24 March, 1986. He said that a majority of our science graduates and over 50 per cent of Ph.D. science scholars do not contribute anything to the development of science and technology in the country.

Prof. Rao also stated that we now tend to put up with poor quality of work. High science and technology is not possible unless there is a radical change in our ethos and way of working. He added that emphasis should be on improving the quality of scientific work and not the amount of work done.

Be that as it may. The more disturbing aspect of the matter is the increasing resort to various types of malpractices in securing a research degree. Appalling exploitation by the 'academic over-lords' of those who come to undertake research work is quite well known. The analogy of the ancient 'guru-shishya' relationship is freely cited and the hapless fellow is considerably harassed and even exploited. The guidance and supervision provided to a research scholar is marginal and, more often than not, he is left to fend for himself. The credit for the result, of course, is disproportionately claimed by the 'great authority' under whose spell, success was ensured.

In science subjects where sometimes joint research projects are undertaken, it is only fair that the publication of 'research papers' is in the joint names of the collaborators. But generally the young or the junior worker does everything concerning the study of a problem; he carries on experiments, does the field job almost exclusively and provides the necessary analysis etc. But for the publication of a paper on such work, the condition precedent is the mentioning of the name of the Professor as the main author. To say the least it is something unbecoming of a person who has already achieved a lot. In our universities research collabora-

tions have a different and distinct connotations, as compared with other places. There is no paucity of instances when the so-called 'international authorities' in some subjects in our universities have entirely cornered the credit for the work done by others; the lesser fries were, of course, compensated in other ways. A person who happened to be the Vice-Chancellor of a University claimed to be the author-contributor of hundreds of research publications, even during the period his hands were too full with administrative and other related work. And he was hailed here as an authority of great repute in the subject, though he was little known elsewhere for the work accomplished, which his researchers did, even with fake and cooked up readings, and this was confirmed by those who were in the know of real facts.

In our country one generally finds lack of inter-University collaborative programmes in teaching and research. Each University considers itself as an independent and self-sufficient entity with its own unique characteristics. However, some people do succeed in their own way in establishing beneficial contacts and gain advantages from the works done by others. This 'academic transplanting' is sometimes done with the encouragement and even connivance of the persons who claim to have produced many a Ph.D. scholar.

Some of the academics who hardly miss an opportunity to criticise and condemn bureaucrats and their practices, do everything possible at their bidding, when some among them undertake research work for Ph.D. degree. The 'guru' is often seen pleasing and placating the 'shishya'. There is an instance when a high official of a government department was even helped to get his Ph.D. degree, where the viva-voce test was conducted by a panel of examiners, one of whom had, unfortunately, lost his mental equilibrium due to a paralytic stroke.

When a university official thought it his duty to place the correct facts before the concerned 'authority', much sound and fury was let loose on him for his audacity; shelter was taken under trivial technicalities, and it was decided to award the degree. Noise sometimes can succeed even in conferring academic honours.

It was certainly a sad day in the history of the University. Sheer cajolery succeeded over every other consideration, including commonsense. The matter did not end there. One faux pas led to another within a short time. The same examiner again had the honour to adore a viva-voce panel which recommended award of a Ph.D. degree to a person who hardly had the capa-

city to write correctly even one sentence in the language in which the thesis was written. Sufficient evidence could be adduced in support of this. It may also be pertinent to mention that the examiner concerned was not even entrusted with the task of teaching Pre-University classes in his college due to his mental frame, but he was thought fit enough to examine Ph.D. candidates. Magnanimity displayed by the university could hardly have a parallel. In reality, the more guilty are those who being in positions of authority, allow such things to happen, with eyes wide open. But then some of these are themselves guilty of, more or less, similar misdemeanour. When a Ph.D. thesis of a child of a university high boss is sent to a Lecturer for evaluation in utter disregard of the norms and practices followed in normal cases, and when the other examiner is deliberately selected from a nearby place on the basis of personal relationship, and the reports received are accorded approval by the concerned 'authority', amidst approbation and appreciation, then there is little justification left for the talk of pursuit of academic excellence as being the main objective of higher education system. What is stated is only illustrative of the deep rooted malady.

Such things impel one to say that there is need to devise some mechanism, some method to monitor what is being done in the name of research in our universities. Such a suggestion will, of course, immediately generate grave wrath of many a people, in the name of academic freedom and autonomy. But what is happening in actual practice under the garb of freedom and autonomy is making a total mockery of the research pursuits. Within the framework of autonomy and without in any way interfering with a scholar's right to pursue his studies genuinely and project his originality and conclusions, howsoever, unpalatable these might be, there is need for devising adequate steps with a view to streamlining things, especially in those areas where experimental or laboratory work is generally not required. Even research projects involving laboratory work are some times not completely free from fake formulations. but then comparatively, the risk involved of exposure in this sphere is greater and to a considerable extent this acts for many as a deterrent.

With enormous increase in the number of institutions of higher education and the ever increasing number of students, teachers and researchers, the quantity of academic journals dealing with various fields of study and research was bound to multiply in the country. In Social Sciences and Languages the mushrooming of journals of all types has been quite conspicuous. This proliferation of the so-called research journals etc. has to some extent diluted the quality

of research publications. It is not suggested that journals concerned with various specialisations and studies should be concentrated at a few places only. A journal or for that matter any publication, gains reputation and recognition only on the basis of the quality of the material published in it. However, the professional/academic bodies concerned should evolve some ways and means so that the scarce resources of various types are not wasted in bringing out publications which do not at least measure up to the established national standards. Many of our universities have their research journals, irrespective of their need or requirement, and not always what they bring out does credit to the institutions concerned. The responsibility for such a state of affairs squarely is of those, who without the necessary wherewithal succeed to be the Chief Editors/Editors/members of the Editorial Boards, etc. of the journals. In many cases personal equations and relationship count a more, than academic eminence, and



UNIVERSITY NEWS

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Address Subscriptions & Enquiries to :

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Association of Indian Universities
 AIU House, 16 Kotla Marg
 New Delhi 110002

this is one of the causes of the poor quality of these publications. It was quite distressing when one heard recently an allegation that a research Journal of a prestigious university in the country has some questionable links with a foreign espionage agency! And we still have the temerity to talk of values and all that.

Heredity is playing an increasingly important role in our country in the assignment of positions of importance in many fields. We may go on talking and claiming loudly about merit being the criterion of selecting persons for responsible jobs etc. but the way things are shaping and the way many politicians of quite high status are setting the pace, leaves one with little doubt that birth is playing a major role in the career attainment of a number of people; it has now acquired greater and wider dimensions in gaining of important positions. The academic stalwarts naturally have a concern for their children and dependents and their connections and influences go a long way in easily securing for them, assignments in some of the well-established institutions abroad, and once such an opportunity has been availed of, the gates of career-advancement become quite wide open. With a couple of years spent at such places, the academic pastures become greener for the lucky borns.

Exceptions are always to be found in any set up

and these exceptions are mostly the sustaining force of the system of higher education in the country. The role of 'tiny stars' is not being minimised. They fulfil some purpose and some needs. But then the tiny stars do not dispel darkness. Our academic pursuits have, of late, acquired a limited perspective of getting to the next rung of the ladder without any toil and sweat. The basic purpose of research has been pushed to the background. The number of years of routine teaching experience and a number of ordinary publications spread over some years are not the wherewithal of securing higher standards and quality in the field.

Just as in big cities and towns, coaching academies abound, assuring innocent students of securing a B.A. or M.A. pass degree from one university or another, there is proliferation of professionals, who offer their services in writing treatises for obtaining Ph.D. degrees and the like. Such things are not unknown in higher academic circles. But we just helplessly go on witnessing the prevalence and perpetuation of such malpractices. We have been lately discussing a lot with a view to formulating a new and purposeful education policy. But if some of the evil practices persist and are not eradicated, all our earnest efforts in the matter of bringing about qualitative change will not yield any worthwhile results.



AMERICAN STUDIES RESEARCH CENTRE HYDERABAD 500 007

**Applications are invited for the position of
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They should be familiar with the current import policy and income tax matters. Must have excellent English, communication skills, both written and spoken. Qualifications relaxable in exceptional cases.

Responsibilities include supervising all work of the Administrative Section including membership of the Centre, assistance to the Board of Directors, support of the Centre programs, procurement and sales, planning and budget preparation, security, maintenance of physical facilities, the hostel, transport and communications and legal services.

Pay Scale : Rs. 1,400-60-2,000. Total emoluments at the beginning of the scale are Rs. 3,400. Provident fund and gratuity on confirmation.

ASRC is a research library with a program of seminars, speakers and publications. It is a registered society incorporated under the Indian Societies Act and has a binational Board of Directors.

Kindly mail within three weeks of the date of this ad, your detailed resume giving full particulars, viz. (1) name; (2) date of birth; (3) present address; (4) academic qualifications with details of marks and class secured; (5) previous experience including name and address of institutions and dates employed, to :

**The Director
American Studies Research Centre
Hyderabad 500 007**

JNU Offers New Courses

The Centre for the Study of Regional Development (CSR) in the School of Social Sciences of the Jawaharlal Nehru University offers two compulsory courses to M.A. (Geography) students based entirely on field work. These courses are : (a) RD 415 - Methods of Fieldwork (Physical); and (b) RD 413 - Methods of Fieldwork (Socio-economic). The objective of these courses is to train students in various methods of fieldwork in geography. Field work is undertaken during holidays. RD 415 involves fieldwork for one month during summer vacations and RD 413 has three-week field survey in winter break.

RD-415 involves study of various geomorphic processes. The students have been going to the higher parts of Himalayas for fieldwork since 1973 and have been studying fluvial, glacial, lacustrine, mass wasting and weathering processes operating therein. As per the requirements of this course, different area/valley is selected every year for survey and the students along with the course incharge trek on foot for a distance of about 200 kms to 250 kms. They make observations regarding geomorphic process and identify various features on the way. Two or three villages are also selected for a detailed survey in order to understand Man-Environment interaction in these areas of hostile environment. Students conduct survey at household level with the help of a questionnaire. Every student is allotted a separate topic on which he/she is required to submit a report. Apart from the field report, the students also write a daily field diary on the basis of their observations of geographical phenomena. Evaluation is done on the basis of field report, diary field participation.

For the course RD-413 the students are taken to a village for socio-economic survey. They prepare village map and plot on it all information regarding socio-economic attributes such as caste, religion, land use etc. They are taught how to use Patwari records. They collect data from Patwari's Lal Kitab about land use, size of land holding and cropping pattern, etc.

The students also conduct a detailed survey at the household level with the help of a questionnaire in order to understand the demographic, social and economic characteristics of the village. They prepare their reports using information collected from the village and are evaluated on this basis.

Library Science Course through Correspondence

Punjabi University, Patiala, proposes to introduce Bachelor of Library and Information Science course through correspondence shortly. This was indicated by Dr. Bhagat Singh, Vice-Chancellor of the University while delivering his address at the Central Institute of Library Science (CILS), Hyderabad recently. He also said that the university was considering to conduct its examinations at the CILS, Hyderabad for the students of the southern region.

INSA Financial Support for Scientists

The Indian National Science Academy (INSA) offers financial support every year to deserving scientists for participation in International Conferences abroad. The grant scheme of the Academy operates under three categories. Category I, known as ICSU Conferences, is meant for International Conferences

sponsored by the International Council of Scientific Unions (ICSU) while the International conferences sponsored by other agencies fall under the second category known as Non-ICSU Conferences. The third category is meant for applicants who are interested for partial travel assistance only for participation in any International Conference abroad and are also below 35 years of age. This has been categorised as INSA-COSTED Travel Grant.

Scientists interested to avail of financial support of the Academy for participation in International Conferences to be held during 1987-88 may get in touch with the Executive Secretary, Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi-110002 for obtaining further details in the matter.

Seminar on Development of Natural Resources

The Department of Earth Sciences of the Manipur University, in collaboration with the University Grants Commission, proposes to organise a three-day National Seminar on Development of Natural Resources in North-East India from December 15 to 17, 1986. The objective of the seminar is to unfold the problems of the region to the community of Geoscientists.

The Seminar will focus attention on the highly localised problems like Soil Erosion, Floods and Agroclimatology of the Region. It will also discuss the possibility of locating Mineral Wealth and the Scope for Developing Industries in this Region.

Over 75 participants from all over the country are expected to attend the seminar.

BA, BSc Courses to be Restructured

The Informal Coordination Forum consisting of Vice-Chancellors of the universities in Punjab, which met at the Panjab University, Chandigarh recently, is reported to have decided to restructure

the B.A. and B.Sc. courses in the new 10+2+3 system of education. The other decisions reported to have been taken at the meeting include formulation of a uniform policy in the matter of pay scales and the introduction of Punjabi as compulsory subject at the +2 level.

This Variety has given, on an average, yield of 528 kg/ha as against 454 kg/ha of Pb. Til No. 1. However, it recorded an highest yield of 713 kg/ha. The variety possesses bolder seed size with a 1000 seed weight of 3.07 gm and it contains 51.6 per cent oil. The variety has better quality oil since it has 5% more linoleic acid, an essential fatty acid than PB-Til No. 1. TC-289 was also recommended for minikit testing and pre-release seed multiplication by the All India Workshop held at Punjabrao Krishi Vidyapeeth, Akola in April, 1985 throughout the country.

News from Agril. Varsities

New Groundnut and Sesamum Varieties Released

The State Variety Release Committee at its meeting held recently at Punjab Agriculture University, has approved Groundnut variety M-335 and Sesamum variety TC-289 for general cultivation during Kharif season under irrigated conditions.

M-335 has been developed by crossing M-13 with an aphid resistant line F 7 in the Department of Plant Breeding. It is a spreading variety which combines both high yield and early maturity. It has given an average yield of 2300 kg/ha i.e. 10% more than the previous variety M-13 which was also released for cultivation at National level. M-335 takes 124 days for maturity which is 10 days earlier than M-13. Thus the variety is expected to be adopted by the farmers on a large scale as it fits well in popular groundnut wheat rotation. Its shelling is 67% with a 100-kernel weight of 71kg and contains 49% oil in its kernels.

In the All-India Co-ordinated Research Programme on Oilseeds, this variety has also recorded yields of 2813 kg/ha and 1433/kg/ha under irrigated and rainfed conditions respectively.

Sesamum TC-289 has been developed by hybridization from cross

of Pb. Til No. 1 and IxEC 4619 in the Department of Plant Breeding.

CORRESPONDENCE COURSE IN EVALUATION METHODOLOGY AND EXAMINATIONS

Applications are invited from College/University teachers for admission to Correspondence Course in Evaluation Methodology and Examinations at Basic Level, Intermediate Level and Advanced Level/Special Professional Course. The duration of each of the three courses is six months. A personal 'Contact Programme' for three days is planned for each of the three courses. Universities/Institutions sponsoring candidates can meet the registration/course fees from out of unassigned grants by UGC.

Request for prospectus and application form accompanied by a crossed Indian Postal Order for Rs. 10 drawn in favour of the Secretary, Association of Indian Universities and a self addressed stamped envelope (Re. 1) should reach the undersigned. Last date for receipt of applications is extended to 15th November, 1986 for sponsored and non-sponsored candidates.

Project Director (Examinations)
ASSOCIATION OF INDIAN UNIVERSITIES
AIU House, 16 Kotla Marg
New Delhi-110002

News from Abroad

Commonwealth Education Fund

The Commonwealth Standing Committee on Student Mobility which met recently in London under the chairmanship of Sir Roy Marshall, a former Vice-Chancellor of the University of West-Indies, is reported to have recommended the establishment of a Commonwealth fund for higher educational cooperation. The annual resources for the fund would be derived partly from a capital endowment and partly from yearly pledges by Commonwealth member countries.

About two-thirds of the income would be used to support Commonwealth collaboration in distance education and open learning.

In its reports titled "Commonwealth Student Mobility: Commitment and Resources" the committee recommends arrangements for cooperation in distance education and open learning in the areas of information, staff training, the acquisition and delivery of teaching materials, purchasing and commissioning teaching materials, local support services to students, accreditation and the award of qualifications, facilitation of inter-institutional links and evaluation of distance education.

The fund would be used for the collaborative programmes for the development of higher education, such as:

- Strengthening higher education systems in Commonwealth developing countries and institutions, particularly through institutional linkages, staff development and exchange, the provision of lib-

rary books, journals, micro-computers and other equipment, and the upgrading of reprographic services.

- Providing more post-graduate scholarships for women, improving welfare services and

hostel facilities for overseas students in Commonwealth developing countries, supporting studies of key issues in Commonwealth development.

- Providing a Commonwealth-wide student mobility information system to give details of such matters as courses of study and the availability of awards, to analyse student mobility data, and to maintain a data base.

Sports News

GNDU Wins NZ Women's Basketball Tournament

Guru Nanak Dev University, Amritsar, has won the North Zone Inter-University Women's Basketball Tournament held at the IIT, Kanpur recently. They defeated Kurukshetra University in the last league match.

Delhi University emerged second after defeating Rani Durgawati Vishwavidyalaya, Jabalpur.

The third and fourth positions went to Kurukshetra and Rani Durgawati Universities respectively.

Central Zone Inter-State Badminton Tournament

The Indian Universities Badminton team, led by Sanjay Bahel of Poona University, participated in the Central Zone Inter-State Badminton Tournament held at New Delhi on 30-31 October, 1986. The other members of the team were Hemant Hardikar (Poona), Rahul Bhandari (Baroda), Gurbinder Singh (GNDU), Anoop Kumar (GNDU), H. Kolwadkar (Nagpur), Bharati Khardennis (Nagpur) and Babita Bose (Delhi).

Prior to participation the Indian team attended the coaching camp held at the University of Delhi from 19-29 October, 1986 under the supervision of Mr. S. Murli-dharan, Badminton Coach of Calicut University.

CALENDAR OF EVENTS

Insertions for our column, Calendar of Events, are welcome. It will help early reporting of the event as also avoid unnecessary correspondence if the matter for insertion is submitted in our usual format under the heads: proposed dates of the event, title, objective, name of the organising department and name of the Organising Secretary/Officer to be contacted.

National Conference on Distance Education

The Association of Indian Universities will organise in collaboration with the Indira Gandhi National Open University and Gujarat University a National Conference on Distance Education on 9th and 10th November, 1986.

Despite a phenomenal increase in educational facilities since independence, the Indian education system is not able to cope with the rising number of students who aspire for admission every year. Higher education system is confronted with enormous shortages of teachers, buildings and equipment. These shortages are likely to mount further because of our inability to raise matching resources. This is true not only of India but of all the countries the world over.

Distance education is regarded as an effective alternative to the formal system and most of the countries are making increasing use of the method of teaching at a distance. This method denotes the application of multi-media approach to the entire teaching-learning process. It is thought that distance education will provide solutions to the educational problems of spread of knowledge and skills as well as in raising the general level of education of the masses. Introduction of correspondence courses by several universities is to be seen in this context. Establishment of the Indira Gandhi National Open University and the fact that many State Governments have either established open universities or are planning to do so is only pointer to the popularity and acceptability of the concept of distance education. The National Conference on Distance Education is being organised in recognition of the need for formulating appropriate policies and strategies to lend meaning and substance to the concept of distance education. The focus of the Conference will be on the following themes :

- (a) Concept of distance education
- (b) Forms of distance education
- (c) Course designing and preparation
- (d) Role of media in distance education
- (e) Financing of distance education
- (f) Student support services
- (g) Evaluation methodology

Programme

The Conference will be conducted under four panels

as per following programme. It will conclude with plenary session.

November 9, 1986

Session I (Inaugural)	10.30 a.m. - 11.30 a.m.
Session II	11.45 a.m. - 1.15 p.m.
Session III	2.30 p.m. - 5.00 p.m.

November 10, 1986

Session IV (Plenary)	10.00 a.m. - 12.00 noon
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Participation

Delegates from various universities and other institutions of distance education (including correspondence courses) are invited to participate. Governmental and private organisations in the fields of electronics, space information, data processing and satellite educational programmes may also participate. Such participation can be either in terms of presenting a paper or demonstration of educational technologies, aids and other learning devices developed in India and abroad.

Exhibition

It is proposed to hold an exhibition of books, journals, equipment for Video, TV and Computer aided instruction and demonstrations of new technologies during the Conference. Entries are invited for the exhibition.

Venue

The venue of the Conference and the exhibition will be the Gujarat University, Ahmedabad.

Language

The official language of the Conference will be English.

Further details can be had from the conveners.

Conveners

B.N. Koul
Professor of Distance Education
Indira Gandhi National Open University
K-76, Hauz Khas
New Delhi - 110016

M.M. Ansari
Project Director (Research)
Association of Indian Universities
AIU House
16 Kotla Marg
New Delhi - 110002

CALENDAR OF EVENTS

Proposed Dates of the Event	Title	Objective	Name of the Organising Department	Name of the Organising Secretary/Officer to be contacted
November 9-16, 1986	National Conference on Distance Education	Topics proposed to be covered are: (i) Concept of Distance Education; (ii) Forms of Distance Education; (iii) Course Designing and Preparations; (iv) Role of Media in Distance Education; (v) Financing of Distance Education; (vi) Student Support Services; (vii) Evaluation Methodology.	Association of Indian Universities, New Delhi; Indira Gandhi National Open University, New Delhi; and Gujarat University, Ahmedabad.	Prof. B. N. Koul, Indira Gandhi National Open University, K-76, Hazrat Nizamuddin, New Delhi. Mr. M.M. Ansari, Project Director (Research), Association of Indian Universities, 16 Kotha Marg, New Delhi
November 10-20, 1986	Workshop on Thesaurus in Information Retrieval	To provide practical orientation to the principles and techniques of Thesaurus construction and use.	Indian Association of Special Libraries and Information Centres (IASLIC) in collaboration with ICSSR Southern Regional Centre, Hyderabad	Shri N.B. Inamdar, Coordinator Islamic Workshop on Thesaurus in Information Retrieval, Osmania University Library, Hyderabad.
November 11-21, 1986	Refresher Course in Advanced Grammar for College and University Teachers of English	To emphasise on teachers the need for the study of English grammar at an advanced level.	CIEFL Regional Centre, Lucknow	Prof. V. D. Singh, Course Director & Officer-in-Charge, CIEFL Regional Centre, 2, Rana Pratap Marg, Lucknow.
November 14-17, 1986	National Seminar on Extension Education in Human Resource Development	Role of Extension Education in Human Resource Development—retrospect and prospect.	Indian Society of Extension Education (ISEE) in collaboration with the Andhra Pradesh Agricultural University, Hyderabad and the Indian Council of Agricultural Research, New Delhi.	Dr. S.N. Singh, Secretary ISEE, Division of Agricultural Extension, Indian Agricultural Research Institute, New Delhi-110012
November 15-17, 1986	Seminar on Problems, Aspects and Areas of Research in Music	To identify the latest trends in the research in music.	Department of Musicology and Aesthetics, Indira Kala Sangit Vishwavidyalaya, Khairagarh.	Dr. (Smt.) Subhdra Chowdhary, Head, Department of Music, Indira Kala Sangit Vishwavidyalaya, Khairagarh.
November 25-28, 1986	National Seminar on Universe of knowledge, its development and structure—its relevance in the curriculum of MLISc course	To identify and develop necessary skills and expertise for teaching this subject in MLISc course.	Department of Library and Information Science, Osmania University, Hyderabad	Dr. A.A.N. Raju, Prof. and Head, Department of Library and Information Science, Osmania University, Hyderabad.
Nov. 23-Dec. 13, 1986	All India Short-Term Institute on Polymer Technology	To make an awareness of the recent developments in polymer science/technology to Chemistry teachers in universities and colleges.	Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin.	Prof. D. Joseph Francis, Director of the Short-term Institute, C/o Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin.
December 12-14, 1986	All India Seminar on Psychology, Sociology, Sports and Allied Sciences.	To acquaint the teachers and Professional personnel in Physical Education, Psychology and Sociology with the latest trends of research in Sports and Allied Sciences.	Degree College of Physical Education, Amravati.	Dr. V.D. Bapat, Organising Secretary, C/o Degree College of Physical Education, Amravati.

East Zone Inter-University Youth Festival at Gauhati University

The East Zone Inter-University Zonal Youth Festival, second in the series of four Inter-University Zonal Youth Festivals, was held from October 18 to 21, 1986 at Gauhati University, Guwahati. The Youth Festival was sponsored by the Association of Indian Universities (AIU) with financial support from the Department of Youth Affairs and Sports, Govt. of India.

Shri Bhishm Narain Singh, Governor of Assam, Meghalaya and Sikkim inaugurated the four-day youth festival at the B.K.B. Auditorium. Addressing the participants, the Governor called upon the

youths to work for augmenting social cohesion and harmony which would promote and strengthen national integration.

Shri Prafulla Kumar Mahanta Chief Minister of Assam, who was the chief guest, stated that youths constituted a vital force in any country and could act as real agents for changes. The festival of this kind would imbibe new enthusiasm and team spirit among youngsters for nation building. Dr. D.P. Barooah, Vice-Chancellor of Gauhati University, presided over the inaugural function.

Earlier, a colourful cultural pro-

cession was held with the participating universities contingents displaying colour costumes, typical of their home states. It was followed by flag hoisting ceremony, during which flags of Gauhati University and Association of Indian Universities were hoisted.

The cultural extravaganza commenced with classical Vocal Solo, Cartooning and Quiz followed by Skits, One Act Play and Folk Dances. Dr. Hari Singh Gour University, Sagar, claimed first prize for the Folk Dance while the second prize was bagged by Gauhati University. Rabindra Bharati University and



Procession of participating Universities' contingents in colourful costumes at the inaugural function of the Youth Festival.

Patna University received first and second prizes respectively for their Mime performance.

The third-day events of the cultural programme commenced with well-attended performances for the light Vocal Solo at B.K.B. Auditorium in which Shashank Shekhar of Patna University bagged the first prize for his ghazal. The second prize for light Vocal Solo was shared by Binapani Bhuyan, and Raka Mukerjee of Gauhati and Jadavpur Universities respectively. The second session of the cultural items began with the classical dance. Lively Madhukar Anand of Patna University was adjudged the best and he bagged the first position by rendering his magnificent Kathak performance. Madhukar, a promising artist, has been the recipient of many state and national awards. For Clay Modelling, Ashok Kumar

of Patna University obtained the first position.

During the day, an informal cultural programme was arranged at the B.K.B. Auditorium, in which apart from participants of various universities, the contingent in-charges also rendered their impromptu items.

Cultural events for the penultimate day were initiated with the items of Group Song (Indian); Group Song (Western) and Western Vocal Solo. IIT, Kharagpur emerged as the best for Group Song (Indian); while Rabindra Bharati University bagged the first position for the Group Song (Western).

Shri Bhriгу Kumar Phukan, Home Minister of Assam was the Chief Guest at the Valedictory function. He congratulated the

winners of the Youth Festival and stated that such Festivals would strengthen our cultural mosaic by exchange and assimilation of diverse cultural backgrounds.

Best awards for various cultural events; merit and participation certificates were also presented to the participants. The best performance in Theatre events went to Ranchi University while for Fine Arts went to Patna University. Jadavpur University claimed the best award for Literary Events. Patna University and Rabindra Bharati University shared the best award for the Music section (Indian); while North-Eastern Hill University (NEHU), Shillong bagged the best award for the Music Section (Western).

Over 450 youths from 21 universities participated in the 4-day youth festival.



K.S. Darbhanga University, Darbhanga (Bihar) in a colourful cultural procession.

East Zone Inter-University Youth Festival Gauhati University

18-21 October, 1986

RESULTS

LITERARY SECTION

Elocution (English)

- | | |
|------------------------|-----------|
| 1. Anirban Ghosh | Jadavpur |
| 2. Amcet Misra | H.S. Gour |
| 3. Rishid Khar-Shi-Ing | NEHU |

Elocution (Regional Language)

- | | |
|-----------------------|------------------|
| 1. Atul Aditya Pandey | Patna |
| 2. Aditya Nath Jha | I.I.T. Kharagpur |
| 3. Barun Roy | B.C.K.V. |

Debate (English)

- | | |
|--------------------------|--------------|
| 1. Sandeep Roy Choudhury | Jadavpur |
| 2. Anirban Ghosh | Jadavpur |
| 3. Amit Acharya | ISM, Dhanbad |

Debate (Regional Language)

- | | |
|------------------------|----------|
| 1. Diganta Biswa Sarma | Gauhati |
| 2. Anirban Ghosh | Jadavpur |
| 3. Alok Raj | Patna |

Quiz

- | | |
|------------------------|---|
| 1. Gauhati University | Rubon Choudhury
Sushil Dawka
Ratul Datta |
| 2. ISM, Dhanbad | Amit Acharyya
K.P. Krishnapillai
T.K. Vinod Kumar |
| 3. Jadavpur University | Anirban Ghosh
Sandeep Roychoudhury
Nilotpal Kar |

FINE ARTS SECTION

Painting

- | | |
|------------------------|------------------|
| 1. Shambhavi | Patna |
| 2. Debabrata Banerjee | Rabindra Bharati |
| 3. Simantajyoti Baruah | Gauhati |

Cartooning

- | | |
|-----------------------|------------------|
| 1. Neelkamal Verma | Patna |
| 2. Debabrata Banerjee | Rabindra Bharati |
| 3. Ratul Datta | Gauhati |

Poster Making

- | | |
|------------------------|------------------|
| 1. Simantajyoti Baruah | Gauhati |
| 2. Aditya Prasad Mitra | Rabindra Bharati |
| 3. Ashok Kumar | Patna |

Clay Modelling

- | | |
|------------------------|----------|
| 1. Ashok Kumar | Patna |
| 2. Simantajyoti Baruah | Gauhati |
| 3. Arindam Nandy | Jadavpur |

Collage

- | | |
|------------------------|------------------|
| 1. Simantajyoti Baruah | Gauhati |
| 2. Subodhkumar Gupta | Patna |
| 3. Aditya Prasad Mitra | Rabindra Bharati |

DANCE SECTION

Folk Dance

- | |
|-------------------------------|
| 1. Hari Singh Gour University |
| 2. Gauhati University |
| 3. Patna University |

Indian Classical (Solo) Dance

- | | |
|-----------------------|---------|
| 1. Madhukar Anand | Patna |
| 2. Km. Jaya Misra | Ranchi |
| 3. Km. Rupali Goswami | Gauhati |

MUSIC SECTION

Classical Instrumental Solo

- | | |
|--------------------------|------------------|
| 1. Santosh Kumar Nahar | Patna |
| 2. (a) Uday Kumar Mallik | K.S. Darbhanga |
| (b) Jayanta Das | Rabindra Bharati |
| 3. Aninday Sarkar | Jadavpur |

Classical Vocal Solo

- | | |
|----------------------|------------------|
| 1. Ranjan Banerjee | Ranchi |
| 2. Rajkumar Nahar | Patna |
| 3. Rahul Chakravorty | I.I.T. Kharagpur |

Light Vocal Solo

- | | |
|--------------------------------------|---------------------|
| 1. Sasank Sekhar | Patna |
| 2. Binapani Bhuyan
Raka Mukherjee | Gauhati
Jadavpur |
| 3. D. Nagmoni | I.I.T. Kharagpur |

SKIT

- | | |
|--------------------------------|---|
| 1. Jadavpur University | Anirban Ghosh
Arjun Gaurisaria
Nilotpal Kar
Arindam Nandy
Mrinal Chakravorty
Ranjan Guha |
| 2. Dr. H.S. Gour
University | Manoj Sarma
Amit Mishra
Uday Sing Chouhan
Surjya Kanta Pathak
Ajay Gupta
Sudhir Tiwari |
| 3. Indian School of Mines | Debashish Chattarjee
Anand Kr. Dubey
A.S. Krishnan
Anuj Kumar
K.P. Krishna Pillai
Rajesh Kumar |

MIME

- | | |
|----------------------|--|
| 1. Rabindra Bharati | Gour Bandhu Roy
Ashim Paul
Subrata Mukherjee
Animesh Biswas
Partha Banerjee
Biman Bhattacharjee |
| 2. Patna University | Atul Aditya Pandey
Anoop Kr. Dubey
Subodh Kr. Gupta |
| 3. Ranchi University | Sanjay Kr. Lal |

ONE ACT PLAY

- | | |
|----------------------|--|
| 1. Ranchi University | Rajesh Kr. Jais
Kripa Ranjan Prasad
Sanjoy Kr. Lal
Shyam Lal
Suresh Lohar
Harjeet Singh
Prabhat Kr. Probhakar
Prabhat Kr. Lal
Balraj Anand |
| 2. Rabindra Bharati | Ashim Kr. Paul
Biman Bhattacharjee
Animesh Biswas
Subroto Mukherjee
Ratan Sanyanath
Sarat Paul
Mukul Basu
Partha Banerjee
Gour Bandhu Roy |
| 3. Rani Durgawati | Rahul Sharma
Manoj Sharma
Monish Kosaria
Mohd. Riaz Khan
Anupam Mukherjee
Vivek Sukla
Anil Daswani
Pankaj Pateria |

GROUP SONG (Indian)

- | | |
|---------------------|---|
| 1. I.I.T. Kharagpur | Rahul Chakravorty
Nilanjan
Chakravorty
Debabrata Das
Kalaki Roy
D. Nagamani |
| 2. Rabindra Bharati | Sajal Chakravorty
Nirmal Roy
Puranjan Tarasdar
Smt. Sarbani
Bhattacharjee
Nutan Mazumdar |

3. Magadh

S. Rashid Ahmed
Mukesh Jain
Subodh Jain
Rakha Tiwari
Tapati Paul
Madhulika Tiwari

Gauhati University

Binapani Bhuyan
Sangeeta Das
Sangita Kakati

DUMB CHARADES

1. Jadavpur University

Anirban Ghosh
Arjun Gaurisaria
Nilotpal Kar

2. ISM Dhanbad

P.K. Pillai
Rajan Kumar
R.K. Rajan

3. (a) Manipur University

A. Kholchandra
Singh
NG. Monoranjan
Singh

(b) Ranchi University

Rajesh Kr. Jais
Kripa Ranjan Prasad
Sanjoy Kr. Lal

WESTERN VOCAL SOLO

1. Ferdinand A. Dkhar

NEHU

2. Dhaneshwar Singh Thakur

Rani Durgawati

3. Arjun Gourisaria

Jadavpur

Group Song (Western)

1. Rabindra Bharati

Sajal Chakravorty
Puranjan Tarafdar
Nirmal Roy
Nutan Mazumdar
Sarhani Bhattacharjee
Jayanta Roy

2. NEHU

Ferdinand A. Dkhar
Michael
A. Khrkongor
Marsud Lang L. Lawai
Michael S. Kharshiing

3. Indian School of Mines

S. Ranjan
S. Doodraj

R. Lobo

S.K. Ranjan
Wabong Moa
Atulya Kr. Verma

FOLK DANCE

1. Hari Singh Gour University

Usha Raj
Anupma Dubey
Deepsikha Tamarkar
Swapna Modi
Mooraj Singh
Ramswaroop Yadav
Sudhir Tiwari
Ajoy Gupta

2. Gauhati University

Somnath Bora (Ojha)
Bhanu Saharia
Santi Borthakur
Mrinalini Bora
Tribeni Bora
Subodh Bora
Prabin Bora
Ajit Nath

3. Patna University

Rakhi Neogi
Varsha Sinha
Vandana Tandon
Poonam Sharma
Shailaja Sinha
Aparna Dutta
Parinita Sharma
Madhukar Anand

Special Award for Dhruv Recital

Ram Kumar Mallik,
K.S. Darbhanga. Univ.

BEST IN DIFFERENT GROUPS

Literary Section

Jadavpur University

Fine Arts Section

Patna University

Music Section

Rabindra Bharati

Music (Indian) Section

Patna University

Music (Western) Section

NEHU

Theatre Section

Ranchi University

Dance Section

Nil

Debate Section

Jadavpur University

TEAM STANDING

1st Best Team

Patna University

2nd " "

Rabindra Bharati

3rd " "

Jadavpur University

4th " "

Gauhati University

AJU Library

Established in 1965, the AJU Library has acquired over the years a valuable collection of books and documents on Higher Education. Among the topics prominently represented are Educational Sociology, Educational Planning, Educational Administration, Teaching & Teachers' Training, Examinations, Economics of Education and Country Studies. Developing fields of Adult Education, Continuing Education and Distance Education, and Educational Technology are also well stocked. The Library is particularly strong in its collection of reports whether they are on the setting up of different universities or on the state of Higher Education. Files of Annual Reports of different universities are also maintained. Readers are kept informed of the latest acquisitions through our column 'Additions to AJU Library'.

The Library also receives about a 100 periodical titles on Higher Education. All these are indexed regularly and a select list appears every month as 'Current Documentation in Education'.

Doctoral Degrees awarded during the preceding month are reported as 'Theses of the Month' while registrations made for such degrees are flashed as 'Research in Progress'. Bibliographies are also compiled and supplied on demand.

Research scholars and students of education are welcome to use these resources. The Library is open from 9-30 a.m. to 5-30 p.m. Monday through Friday. Access can also be had through inter library loan for which requisition must be made through your Librarian.

RESEARCH IN PROGRESS

A List of Research Scholars Registered for Doctoral Degree of Indian Universities

SOCIAL SCIENCES

Psychology

1. Bharati, Surendra Pal. *A study of hysteria in women in relation to life stress, personality and social support*. HP. Dr. K.A. Shirali.
2. Giresan, K. *Socio-psychological factors related to selected groups of psychosomatic patients and psychoneurotics*. Kerala. Dr. P. Gopala Pillai.
3. Harsh, Komal. *Psychological distress, self-esteem, sex role orientation and age cohorts in educated, adult, family oriented and career committed women*. HP. Dr. A.S. Sethi.
4. Krishna Kumari. *A study of certain correlates and moderators of role stress*. HP. Dr. Sagar Sharma.
5. Nirmala, A. *Convergent thinking and divergent thinking in pre-school children : A developmental study*. Kerala. Dr. B. Dharam-gadan.
6. Pandita, Sushma. *Antecedents of achievement motivation and its intrinsic and extrinsic components*. HP. Dr. A.S. Sethi.
7. Raju S. *Personality characteristics of scheduled caste and scheduled tribe employees in government services*. Kerala. Dr. H. Sam Sananda Raj.
8. Sakthidharan Nair, R. *Organisational climate and work attitudes in the public sector in Kerala*. Kerala. Dr. H. Sam Sananda Raj.
9. Sankhyan, Sunil. *Personality, anomie, social-factors and motives in relation to drug use among male adults*. HP. Dr. A. S. Sethi.
10. Sebastian, K.A.S. *Personality correlates of psi-experience*. Kerala. Dr. V. George Mathew.

11. Somasundaram, G. *Personality and meditation*. Kerala. Dr. V. George Mathew.

12. Sundershan Kumari. *Problem solving as a function of extraversion, stress and intelligence*. HP. Dr. Dalip Malhotra.
13. Vanaja Kumari, V.P. *Family integration and occupational stress in women*. Kerala. Dr. H. Sam Sananda Raj.

Sociology

1. Babu George. *Socio-cultural factors of rural-urban suicide in Kerala*. Kerala. Dr. Manu Bhaskar.

Social Anthropology

1. Patnaik, Soumendra Mohan. *Social structure and change among the Parajas of Orissa*. Delhi. Dr. J.N. Bhandari.

Political Science

1. Agnihotri, Vijay Kumar. *Ideology and role of RSS in Indian politics, 1947-84*. HP. Dr. R.N. Pal.
2. Viswanathan Nair, K. *A study of industrial relations in Kerala State Road Transport Corporation*. Kerala. Dr. D. Jaya-devadas.

Economics

1. Nader, Ghomoriow. *Human resource development programmes with special reference to Iran*. Shivaji. Dr. T.G. Naik.

Military Science

1. Dube, Virendra Kumar. *The pattern of mobilization of*

Indigenous manpower by the British for the conquest and subjugation of India, 1909 to 1947. Devi Ahilya. Prof. V.M. Wagh and Dr. (Mrs.) T.K. Vajdi.

Education

1. Pillai, Rajam S. *Development of communication skills in the mentally retarded children.* Kerala. Dr. Vasantha Ramkumar.

HUMANITIES

Language and Literature

English

1. Dube, Amitabh. *Thematic patterns and the structural design in Arun Joshi's novels.* HS Gour. Dr. R.S. Pathak.

2. Gupta, Om Prakash. *Feminine principle in the four novels of Nathaniel Hawthorne.* HP. Dr. Som P. Sharma.

3. Jain, Vinay Kumar. *Pronominal usage in English and Hindi: A sociolinguistic study.* HS Gour. Dr. R.S. Pathak.

4. Jha, Manish Kumar. *Thematic and artistic concerns in Jack London's fiction.* HS Gour. Dr. (Smt.) Urmila Verma.

5. Khan, Satneem Khatoon. *The thematic concerns in the novels of V.S. Naipaul.* HS Gour. Dr. (Smt.) Urmila Verma.

6. Kulkarni, Damodar Na.ayan. *Genitive constructions in Indian English with special reference to s-genitives.* Shivaji. Dr. S.V. Shastri.

7. Mukherjee, Shobha. *A critical study of the fiction writings of Raja Rao.* HS Gour. Dr. (Smt.) Urmila Verma.

8. Neera. *Short stories of Ernest Hemingway : A thematic study.* HP. Dr. Atma Ram.

9. Pandey, Kailash Nath. *Sri Aurobindo's theory and practice of drama : A critical study.* HS Gour. Dr. C. Sengupta.

10. Prashar, Jatinder Nath. *Four novels of D.H. Lawrence : A tantric interpretation.* HP. Dr. Anil Wilson.

11. Shrivastava, Jogesh Jon. *The confessional poetry of Sybil Luth.* HS Gour. Dr. (Smt.) Urmila Verma.

Sanskrit

1. Thankamoni, P.K. *Virupaksapancaska : A study.* Kerala. Dr. K. Vijayan.

Malayalam

1. Achary, P. Soman. *Stories of Kapoor Neelakanta Pillai: A study against the social context.* Kerala. Dr. D. Benjamin.

2. Chandrakumari Amma, G. *Poetical contributions of Vayalar Ramavarma.* Kerala. Dr. P. Ramachandran Pillai.

3. Jayaprakash, S. Mooloor, S. *Pudumanabhupannikar as a poet and social reformer.* Kerala. Dr. N. Mukundan.

4. Prasannarajan, K. *Romantic agony in Malayalam poetry with special reference to Kunaran Asan, Chungampuzha and Edappally : A study.* Kerala. Dr. N. Mukundan.

5. Sreekumar, S.S. *Murxian influence of Malayalam criticism.* Kerala. Dr. D. Benjamin.

History

1. Pandey, Ravi Ranjan. *Shahabud ke kisanon ka swatantrata andolan mein rogan, 1920-1947.* Magadh. Dr. Shyam Bihari Roy.

THESES OF THE MONTH

A List of Doctoral Theses Accepted by Indian Universities

SOCIAL SCIENCES

Psychology

1. Banerji, Mridula. *The effect of frontal lobe ablation on the social development of rhesus infants.* Panjab.

2. Beer Singh. *Effects of age, dress and sex of the stimulus persons on person perception of the subjects of different cultures.* Meerut.

3. Dubli, Kunda. *Retention of various types of materials under various cue situations in relation to anxiety level and personality characteristics.* Ravishankar.

4. Jain, Swatantra. *The effect of personality and intelligence on acquisition of efficiency and extinction as a function of KR on different tasks.* Panjab.

5. Joshi, Gandharva Rumunlal. *A study of preferences of desirable traits in mate selection among college students.* Gujarat.

6. Kamdar, Nanak Hemantkumar. *Adjustment and job-satisfaction : An analytical study of school teachers.* Bhavnagar.

7. Rajini, M.R. *Measurement of self concept.* Bangalore.

8. Singh, Neeru. *A developmental study of size constancy.* Delhi.

Sociology

1. Shrivastava, Maheshwar Prasad. *Child labour in small scale industrial units of Gwalior City : Sociological study.* Jiwaji.

Social Anthropology

1. Jairath, Madhu Sudan. *Levels of living of tribals of Himachal Pradesh : An analytical study.* HP.

2. Kakati, Dwijendra. *Crimes in social context : A case study in North Eastern India.* Gaubati.

Social Work

1. Ganahi, Anjali. *School social work : The emerging models of practice in India.* Jamia.

2. Seetharam, Mukkavilli. *Structure and process of citizen participation in rural development : A micro-level exploratory study in a block in Andhra Pradesh.* Delhi.

Political Science

1. Agarwal, Vipin Kumar. *Indo-Bangladesh relations, 1971-1980.* Meerut.

2. Gaikwad, Deepak Shikui. *Presidents John F. Kennedy and Lyndon B. Johnsons : Response to the black movement, 1961-1968*. JNU.

3. Gopinath, Meenakshi. *Theory of revolution : A critical exploration of the ideas of Karl Marx*. Delhi.

4. Jain, Lalita Kumari. *Public Accounts Committee, Fourth and Fifth Lok Sabha : Its impact on the Central Government*. Delhi.

5. Jhale, Mukta. *Jana Party ke nitiyon ke kriyavayan ka ulochnatmak adhyayan : M.P. ke vishesh sandarbh mein*. Jiwaaji.

6. Karori Singh. *Land reforms in South Asia : A case study of Sri Lanka*. Rajasthan.

7. Patil, Hemalata Shivangouda. *Indira Gandhi and the Bangladesh issue : A perspective study*. Shivaji.

8. Shukla, Shrawan Kumar. *Administration and politics at block level : A case study of Durg Block*. Ravishankar.

9. Singh, Shree Pal. *Formations in village community; Egalitarian perspective*. Meerut.

10. Tiwari, Gayatri. *Yagbalakya Smriti ka rajnitik adhyayan*. Avadh.

Economics

1. Awasthi, Purshottam Kumar. *A feasibility study of crop insurance in Madhya Pradesh*. Durgawati.

2. Barnun, Kandarpa Kumar. *A critical study of agricultural productivity in Assam, 1951-1978*. Gauhati.

3. Borthakur, Sarot. *Economics of handloom weaving of the Bodo people of Goulpara District*. Gauhati.

4. Brindha, K. Dhulasi. *An economic study of profits in spinning and weaving mills in Madurai City*. Madurai.

5. Das, Sasahadher. *The Reserve Bank of India and the money market since 1952*. Gauhati.

6. Mohamed Mustafa, M.M. *Economics of cardamom plantations in Kerala State*. Madurai.

7. Pandey, Shobha. *Gwalior evam Chambal sambhag mein shasyapatriroop gramiya arthvayavashatmak arthik adhyayan*. Jiwaaji.

8. Paul, Ashutosh. *The problems of industrial development in Cachar District*. Gauhati.

9. Sahu, Ram Milan. *An economic analysis of cropping systems under irrigated condition of Hoshangabad Division, Madhya Pradesh*. Durgawati.

10. Seraf, Bhairvi. *Jabalpur Sambhag ke krishkon ke arthik vikas mein State Bank of India ke upadhyata : Ek adhyayan*. Durgawati.

11. Sarma, Recta. *Foreign trade and India's economic development since 1951*. Gauhati.

12. Sengar, S.S. *A critical evaluation of economic development in Chambal Division*. Jiwaaji.

13. Sinha, Sunita. *Central Railways Employees' Trade Unions and their activities in Jabalpur Division*. Durgawati.

14. Soni, Satya Narayan. *A study into structure of farm employment in Madhya Pradesh with reference to Chhattisgarh*. Durgawati.

15. Tripathi, Naresh Chandra. *Audyogik sambandh: Madhya Pradesh Vidhut Mandal ka prakaran adhyayan*. Durgawati.

Law

1. Upasani, Pratibha D. *Damages in the Law of Torts: Problems and perspectives*. Nagpur.

Public Administration

1. Kripa Ram. *Administration of agriculture credit co-operatives : Case study of Haryana State*. Panjab.

Military Science

1. Dwivedi, Bhagwati Dhar. *Bharat yoddhik kshamita mein tel tatva ka mulyanankan*. Avadh.

2. Singh, Umendra Narayan. *Nagaland ke kshettriya suraksha evam vatavaran*. Avadh.

3. Srivastava, Ajei Mohan. *Pratham swatantra-ta sangram 1857 ka sninik mulyanankan : Avadh ke vishesh sandharbh mein*. Avadh.

4. Tiwari, Upendra Prasad. *Aniarrasthitiya suraksha ke sau varsh 1879 se vartaman kul tak*. Avadh.

5. Yadava, Shio Prasad. *Shastro nyantran evam sainya vikas : Ek vishleshanatmak adhyayan*. Avadh.

Education

1. Avasthi, Krishna Kant. *Bharatiya shiksha ke vikas mein nijee prayason ka anusheelan from 1834 to 1947*. Avadh.

2. Chaudhary, Meys. *Preparation and evaluation of a programmed learning material in Geography for the secondary level*. Avadh.

3. Daniel, D. Jesudason. *A study of the perceptions of the school community in the city of Madras about reforming of the present examination system of the higher secondary school stage in Tamil Nadu*. Patel.

4. David, Annie. *Proposals for a strategy of remediation at the intermediate level of the typical Indian ESL programme*. CIEFL.

5. Khan, Abrar Hussain. *Effectiveness of microteaching technique in terms of student's achievement*. Avadh.

6. Kulkarni, Vasumati Narayan. *A critical study of the educational problems of the children of bidi kamgar mahila in Solapur Corporation Area*. Shivaji.

7. Kumar, Karuna. *A comparative study of classroom interaction in English, content subject and activity classes*. CIEFL.

8. Kundu, Manmath. *Teaching English to tribal learners in Orissa : The use of ethnically-oriented instructional strategies to improve language skills and to influence attitudes*. CIEFL.

9. Misra, Ramanuj. *A study of the effect of self-rating and class-rating us feed-back on teachers' class-room behaviour*. Avadh.

10. Pandey, Devesh Dutt. *A critical study of the residential education programme as laid down by U.P. Government in some intermediate colleges*. Meerut.

11. Pathan, Naseem Molmadkhan. *A critical study of the causes responsible for the educational backwardness of the Muslim women and to suggest ways and means for improvement*. Shivaji.

12. Puranik, Sitaram Dunderaj. *A study of the relationship of social maturity of pupils with organisational climate and teacher's morale in the primary schools of Bangalore City*. Mysore.

13. Sharma, Rajul. *Sub-culture of college students as a function of their adjustment values, academic motivation and attitude.* Meerut.

14. Sharma, Ram Dev. *An experimental study into the effect of variation of model presenter on teaching competence of teacher-training.* Meerut.

15. Singh, Dharam Pal. *An investigation of natural history museums of India as a medium of non-formal education, including evaluation of exhibit effectiveness with special reference to creating scientific temper among school children.* Jamia.

16. Tomar, J.P.S. *A study of occupational interest trends of adolescents and their relation with prevalent job trends of employment in Eastern U.P. Avadh.*

17. Verma, Jagvir. *A comparative study of role-conflict of male and female educational administrators in relation to their personality traits and adjustment.* Meerut.

Commerce

1. Appa Rao, P.B. *Personnel problems in small scale industry, with a particular reference to Kurnool District.* Krishnadevaraya.

2. Guothama Rao, Yajju. *Financial Management in ports: A study with special reference to Visakhapatnam Port.* Andhra.

3. Gupta, Shiv Kumar. *Part played by nationalised banks in financing weaker sections, (priority sector) of society in India, since 1969.* Meerut.

4. Jain, Shrinandhar Kumar. *A critical study on co-operative credit and agricultural development in tribal areas of Madhya Pradesh with reference to Mandla District.* Durgawati.

5. Koirala, Kundan Dutta. *Export marketing policies and strategies of Nepal.* Delhi.

6. Narayana Reddy, P. *Marketing problems in small scale industries.* Krishnadevaraya.

7. Panda, Jayakrushna. *Financial management of Rourkela Steel Plant.* HS Gour.

8. Sharma, Anil Kumar. *An analytical study of concentration of economic power in corporate private sector of India.* Jiwaji.

9. Sharma, Kedar Mal. *The role of IDBI in the industrial development of Rajasthan.* Rajasthan.

10. Sinha, Krishna Kumar. *A study of social security measures for industrial workers in Jamshedpur industrial complex with special reference to TISCO.* Magadh.

Home Science

1. Mohindra, Veena. *Cost nutritional efficiency of food service institutions.* PAU.

2. Sarvaiya, Sushil Raghuvirsinh. *Studies on hypertension with special reference to hypotensive effect of oclunum sanctum.* Patel.

Management

1. Bhutay, Prabhakar G. *A study on production economy and management of groundnut processing system in India.* Nagpur.

INDIAN INSTITUTE OF SCIENCE BANGALORE-560012.



Faculty Positions

I. ASSISTANT PROFESSOR in the Department of Inorganic and Physical Chemistry. (IA/308-48/86).

Doctorate in Inorganic Chemistry with M.Sc. I Class and more than 2 years post-doctoral experience in the area of synthesis of novel co-ordination compounds and their structural elucidation. Should have experience in synthesis, structure and electrochemical properties of transition metal complexes, investigations of metal clusters using three dimensional structures and proven ability to carry out independent research and supervision of research.

II. SCIENTIFIC OFFICER in the Centre for Electronics Design Technology. (IA/308-49/86).

Essential : M.E./M. Tech in Electronics or Electrical Engg. with specialisation in the area of power electronics.

Desirable : Experience in design and development of power electronic equipment and thermal design of electronic equipment.

This reserved post for ST. was advertised in May 1986. Since no ST candidate had applied, the post is de-reserved now and re-advertised. Applications from general candidates are also invited.

Emoluments : For post under I—Rs. 3,075/- p.m. (approx.) in the scale Rs. 1200-1900; and for post II—Rs. 2,123/- p.m. in the scale Rs. 700-1300.

Details and prescribed application forms can be obtained on request (separate for each post) accompanied by crossed IPO for Rs. 5/- drawn in favour of Registrar, Indian Institute of Science (SCs/STs producing certificate by competent authority exempted), along with a self-addressed Rs. 3.30 stamped envelope of 28 x 18 cms size before 12th November, 1986.

REGISTRAR

CLASSIFIED ADVERTISEMENTS

MANIPUR UNIVERSITY

CANCHIPUR : IMPHAL

Advt. No. MU/4-16/81/FCY

Dated, the 14th October, 1986

Applications are invited for 1(one) post of Assistant Professor in Earth Sciences with specialization in palaeontology/Stratigraphy/Petrology in the scale of pay of Rs. 700-40-1100-50-1600/- plus allowances. The candidate shall have:

(a) A Doctorate Degree or research work of an equally high standard; and

(b) Good academic record with at least second class Master's degree in Geology/Earth Sciences from an Indian University or an equivalent degree from a foreign University with specialization in palaeontology/Stratigraphy/Petrology.

Provided if the Selection Committee is of the view that the research work of a candidate as evident either from his thesis or from his published work is of very high standard, it may relax the above qualifications.

Candidates invited for interview will be given 2nd class railway-fare as T.A. from the place of origin to Calcutta or Gauhati and air-fare from Calcutta or Gauhati to Imphal as the case may be, for both ways, on production of travel documents/tickets.

How to Apply

Applications, on plain papers (duplicate), with attested copies of certificates in support of qualifications and experiences showing candidates' name; father's name; academic and professional attainment; experience; field of specialization; publications (to be enclosed with reprints); research projects undertaken; details of visits to foreign countries and the assessment reports from at least two persons well acquainted with the candidate's professional work should reach the Registrar, Manipur University, Imphal-795003 on or before 24-11-86.

Applications received late or incomplete in any respect may not be entertained. Persons already in service must apply through their employers so as to reach this office on or before the last date fixed. No candidate will be considered for appointment unless he produces a 'No Objection Certificate' from his employer at the time of interview.

Retired persons who have not attained the age of 62 years may also apply for appointment on a contract basis. It will be open to the University to consider names of suitable candidates who may not have applied.

UNIVERSITY OF DELHI

DELHI - 110007

Estab. IV/107/86

Dated the 14th October, 1986

Applications in the prescribed form are invited for the following posts:

Sl. No.	Department	Designation
1.	Modern European Language	One Reader in Russian
2.	Punjabi	One Reader
3.	Urdu	One Lecturer
4.	Anthropology	One Lecturer
5.	Chemistry	(i) Three Readers (One each in Organic Chemistry, Physical Chemistry and Inorganic Chemistry). (ii) One Lecturer in Organic Chemistry (iii)* One Technical Assistant (Reserved for Scheduled Tribe candidates) (iv)* Three Laboratory Attendants (One temporary but likely to continue, (One each reserved for Scheduled Caste, Scheduled Tribe and Ex-servicemen candidates).
6.	Unit for Plant Cell & Molecular Biology	(i) Two Senior Scientists (ii) Five Scientists (iii) Two Technical Officers (One for Electronic Science and another for Refrigeration and Air-Conditioning)
7.	Geography	One Professor
8.	Political Science	One Professor
9.	Sociology (Centre for Advanced Study)	(i) One Professor (ii) One Reader
10.	Social Work	(i) One Lecturer-cum-Community Organiser (NSS Training Orientation and Research Centre) (ii) One Social Worker (Gram Mahila Kendra)
11.	Law Centre-II	One Professor
12.	Education	Three Lecturers (One Temp. upto 31-3-1989)
13.	Management Studies	One Professor
14.	Mathematics	(i) One Reader (ii) One Lecturer
15.	Chinese & Japanese Studies	One Documentation Officer (For 5 years for the present)
16.	Computer Centre	Four Junior Programmers
17.	Central Office	One Junior Receptionist
18.	Zoology	%(i)* Two Sr. Technical Assistants (One each in Electron Microscopy and for handling GLC Counters) (ii)* One Professional Assistant (iii)* One Laboratory Attendant (Reserved for Ex-servicemen candidates).
19.	Delhi University Library System	@ *Three Semi-Professional Assistants (Reserved for Scheduled Caste candidates)
20.	Computer Science	*One Technical Assistant
21.	Graphic Art Centre	(i) *One Senior Technical Assistant (ii) *One Technical Assistant (iii) *One Assistant

22. WUS Health Centre

- (i) One Part-time Dentist (Temporary for a period of 3 years).
- (ii) *One X-Ray Technician (Reserved for Scheduled Caste candidate).

(%) Tenure of the posts at present is upto 1989 but is likely to continue on permanent basis.

(@) Candidates of General Category may also apply. However, their candidature would be considered if no Scheduled Caste candidate is found suitable.

Scales of Pay (Pre-Revised) for the Posts are :

Professor	: Rs. 1500-60-1800-100-2000-125/2-2500
Reader/Senior Scientist	: Rs. 1200-50-1300-60-1900
Lecturer/Lecturer-cum-Community Organizer/Junior Programmer/Scientist/Documentation Officer/Technical Officer	: Rs. 700-40-1100-50-1600
Sr. Technical Assistant/Social Worker/Professional Assistant/X-ray Technician	: Rs. 550-25-750-EB-30-900
Technical Assistant	: Rs. 425-15-500-EB-15-560-20-700
Semi-Professional Assistant	: Rs. 380-12-440-EB-15-560-EB-20-640
Junior Receptionist	: Rs. 260-6-290-EB-6-326-8-366-EB-8-390-10-400
Operator	: Rs. 260-8-300-EB-8-340-EB-10-380-EB-10-430
Laboratory Attendant	: Rs. 210-4-226-EB-4-250-EB-5-290
Part-time Dentist	: Rs. 600/- P.M. fixed for visiting the Health Centre three times in a week for 2½ hours each time.

All posts except that of part-time Dentist carry D.A., C.C.A. and H.R.A. etc. as admissible under the rules in force in the University from time to time.

Essential Qualifications For Professorship :

An eminent scholar with published work of high quality actively engaged in research. Ten years' experience of teaching and/or research. Experience of guiding research at doctoral level.

OR

An outstanding scholar with established reputation who has made significant contribution to knowledge.

Readership/Senior Scientist

Good academic record with at least second class master's degree in a relevant subject with a doctoral degree or equivalent published work. Evidence of being actively engaged in (i) research, or (ii) innovation in teaching methods or (iii) production of teaching materials. Five years' experience of teaching in under-graduate/post-graduate classes and/or post-doctoral research work with evidence of published work.

Note: Second class would mean at least 50% marks in the subject or equivalent grade.

Lectureship/Scientists — (Other than Lecturership in Education)

- (a) A Doctorate degree or research work of an equally high standard; and
- (b) Good academic record with at least

second class (C in the seven point scale) Master's degree in a relevant subject from an Indian University or an equivalent degree from a foreign University.

Having regard to the need for developing interdisciplinary programmes, the degree in (a) and (b) above may be in relevant subjects.

Provided that if the Selection Committee is of the view that the research work of candidate as evident either from his thesis or from his published work is of very high standard, it may relax the requirement of at least second class in Master's degree examination in terms of level achieved at the said examination as prescribed in (b) above.

Provided further that if a candidate possessing a Doctor's degree or equivalent research work is not available or is not considered suitable, a person possessing good academic record, (weightage being given to M. Phil or equivalent degree or research work of quality) may be appointed on the condition that he will have to obtain a Doctor's/M. Phil degree or give evidence of research of high standard within ten years of his appointment failing which he will not be able to earn future increments until he fulfils these requirements.

Explanation

1. For determining "good academic record" the following criteria shall be adopted:

- (i) A candidate holding a Ph.D./M.

- Phil degree should possess at least a second class Master's degree; or
- (ii) A Candidate without a Ph.D./M. Phil degree should possess a high second class Master's degree and second class in the Bachelor's degree; or
- (iii) A candidate not possessing Ph.D./M. Phil degree but possessing second class Master's degree should have obtained first class in the Bachelor's degree.

2. Persons having secured atleast 55% or more marks shall be deemed to have passed the examination in the high second class.

Lectureship in Education

- (a) A Doctor's degree in Education or research work of an equally high standard; and

- (b) Good academic record with at least second class (C in the seven point scale) Master's degree in a relevant subject from an Indian University or an equivalent Degree from a foreign University.

OR

- (a) A Doctor's degree in any university discipline or research work of an equally high standard; and

- (b) Good academic record with an M. Phil degree in Education (which may be acquired while in service) from an Indian University or an equivalent degree from a foreign University.

Having regard to the need for developing interdisciplinary programmes, one of the degrees in (a) and (b) above may be in relevant subjects, the other being in Education.

Provided that if the Selection Committee is of the view that the Research work of a candidate as evident either from his thesis or from his published work is of very high standard it may relax any of the qualifications prescribed in (b) above.

Provided further that if a candidate possessing a Doctor's degree or equivalent research work is not available or is not considered suitable a person possessing a good academic record (weightage being given to M. Phil or equivalent degree or research work of quality) may be appointed on the condition that he will have to obtain a Doctor's/M. Phil degree or give evidence of research work of equivalent high standard within ten years of his appointment failing which he will not be able to earn future increments until he fulfils these requirements.

Explanation

1. For determining "good academic record" the following criteria shall be adopted:

- (i) A candidate holding a Ph.D./M.

- Phil degree should possess at least a second class Master's degree; or
- (ii) A candidate without a Ph.D./M. Phil degree should possess a High second class Master's degree and second class in the Bachelor's degree; or
- (iii) A candidate not possessing Ph.D./M. Phil degree but possessing second class Master's degree should have obtained first class in the Bachelor's degree.

2. Persons having secured at least 55% marks or more shall be deemed to have passed the examination in the high second class.

Lecturer-Cum-Community Organizer

Good academic record with a first or high second class Master's Degree in Social work or an equivalent degree of a foreign University (second class would mean at least 50% marks in the subject or equivalent grade).

Social Worker (Gram Mahila Kendra)

Post-graduate degree in Social work in second division from a recognised University with atleast two years experience in the field of community organisation preferably in rural areas.

Documentation Officer

- (a) Good academic record with at least a high second class Master's degree in a subject other than Library Science.
- (b) Master's degree in Library Science with first class or high second class.

Junior Programmer

- (a) Atleast a Second class (not less than 50% marks in the aggregate) Master's degree in Mathematics or Statistics or Econometrics or Operational Research or Physics;

OR

Atleast a Second class (not less than 50% marks in the aggregate) Bachelor's degree in Engineering from a recognised institution; and

(b) Atleast 2 years experience in Computer programming at a recognised institution.

(c) Knowledge of one of the high level languages like Fortran, Cobol, Algol, PL/I.

Technical Officer

Diploma in respective field of specialisation and at least 10 years technical experience of handling and repairing instruments (in case of T.O. Electronics) or maintenance and repair of air conditioning and refrigeration machines (in case of T.O. Air-conditioning). Experience relaxable in case of candidates with higher qualifications.

Part Time Dentist

Post-graduate degree or equivalent qualification from a recognised institution with 5 years experience after Post-graduate degree. In those disciplines where Post-graduate degree holders are not ordinarily available, P.G. Diploma or equivalent qualifications from a recognised institution with 5 years experience after Post-graduate Diploma.

X-Ray Technician

Graduate with Diploma in Radiology. Two years experience as Radiographer in a General Hospital.

Senior Technical Assistant (Zoology)

B.Sc. (General) Group 'A' or 'B'.

Senior Technical Assistant (Graphic Arts Centre)

- (i) Higher Secondary/Sr. Secondary School Certificate (10+2) with Science subjects (Physics and Chemistry).
- (ii) Diploma or Degree in Photography, Graphic Arts or Printing Technology.
- (iii) 8 years experience of Micro-Filming, Micro-fishe camera and knowledge of processing films.

Professional Assistant (Zoology)

- (i) M.A./M.Sc./M.Com; and
- (ii) B.Lib. Sc.

OR

- (i) B.A./B.Sc./B.Com.
- (ii) B. Lib. Sc.; and
- (iii) 4 years of experience in the Library as a whole.

Semi-Professional Assistant

Bachelor's degree from a recognised University and a certificate/diploma in Library Science.

Technical Assistant (Chemistry)

Graduate in Science. Experience in Laboratory techniques of the subject.

Technical Assistant (Computer Science)

Diploma in Engineering or Electronics or B.Sc. in Science/Mathematics/Mathematical Statistics/Computer Science.

Technical Assistant (Graphic Arts Centre)

- (i) Higher Secondary/Sr. Secondary School Certificate (10+2) with Science subjects (Physics and Chemistry).
- (ii) Diploma or degree in Photography, Graphic Arts or Printing Technology from a recognised Institute.
- (iii) 5 years experience of Micro Filming and use of Micro-fishe camera with knowledge of processing films.

Operator

- (i) Higher Secondary/Sr. Secondary School Certificate (10+2).
- (ii) Operation of Alpha-Comp., Photo-type setting and knowledge of developing.

Jr. Receptionist

Atleast a Graduate. Should be of very polite temperament and well-mannered.

Laboratory Attendants

Should have passed Matriculation or an equivalent examination with pass in Science subjects.

Special/Desirable Qualifications for Readership in Russian :

Specialization in the field of Translation.

Readership in Punjabi

The candidate must have a doctorate or have published work of equal merit to his credit on the problematic of Poetics of Novel Modelled on Modern Linguistics, semiotics and theory of Discourse.

Lecturership in Anthropology

Specialization in any field of Physical Anthropology.

Lecturership in Chemistry

Specialization in Physical Organic Chemistry.

Senior Scientist and Scientist

Research experience in one of the following areas:

1. Plant cell, Tissue culture.
2. Genetic Engineering
3. Photobiology

Professorship in Political Science

Specialization — Political Theory.

Desirable — Contemporary Philosophical Analysis and Political Theory/Liberal Political Thought/Socialist Political Thought/Western Political Thought/Indian Political Thought/Third World Political Thought.

Professorship/Readership in Sociology

(a) Sociology of Development including Agrarian Structure and Sociology of Movements.

(b) Sociology of Science, Technology and Medicine.

(c) Population and Migration Studies and Quantitative Methods.

(d) Sociology of cognition, knowledge and education.

(e) Historical Sociology and Comparative Ethnography.

Lecturer-cum-Community Organizer

Advanced course in Research Statistics and work experience on research/evaluation projects/youth work.

Social Worker

Proficiency in Hindi.

Lectureship in Education (1st post)

- (a) M.A. in Philosophy.
 (b) Three years teaching experience in a recognised Teachers Training Institution or in a recognised Senior Higher Secondary School.
 (c) Ability to teach through Hindi Medium.

Lectureship in Education (2nd post)

- (a) M.A. in Psychology with specialization in Educational Psychology.
 (b) Three years training experience in a recognised Teachers Training Institution or in a recognised Senior Higher Secondary School.
 (c) Ability to teach through Hindi Medium.

Professorship in Management Studies

Specialization in Finance, Accounting, Computer and MIS.

Readership in Mathematics

Specialization in Commutative Algebra; Algebraic Geometry/Algebraic Topology.

Lectureship in Mathematics
Probability Theory.**Documentation Officer**

Desirable: Proficiency in Japanese Language (Level required is the Advanced Diploma Course of the University of Delhi).

Junior Programmer

- (a) Experience of participation in training programmes in computer-related disciplines; and
 (b) Knowledge of an assembly language.
 Part-time Dentist — Hospital experience after Post-graduate degree or Diploma.

Senior Technical Assistant (Zoology) — (For Electron Microscopy)

- (i) Experience of atleast 5 years in Operating and Servicing Electron Microscope.
 (ii) Knowledge of specimen preparation for Electron Microscopy (TEM & SEM) and Photography.

Senior Technical Assistant (Zoology) for handling GLC Counters

5 years experience in handling instruments like GLC & HPLC.

Senior Technical Assistant (Graphic Arts Centre)

Preference will be given to candidates having B.Sc. Degree with Physics and Chemistry.

Technical Assistant (Computer Science)

Experience of working with digital and Micro-Processor systems.

Laboratory Attendant

Should have worked in a Laboratory.

The prescribed application forms can be had from the Information Section of the University either personally or by sending a self-addressed envelope (size 13 cm x 28 cm) with postage stamps worth Rs. 3.45P.

The candidates will have to produce the original documents relating to their age, qualifications, experience etc. at the time of interview.

Applications (separate for each post) accompanied by attested copies of Degrees, other certificates, marksheets, published research articles etc should be addressed to the Registrar. However, applications for the posts marked asterisk (*) should be sent directly to the Head of the Department.

ment concerned. The last date prescribed for receipt of application is 14-11-86.

Note

1. It will be open to the University to consider the names of suitable candidates for teaching posts who may not have applied. Relaxation of any of the qualifications may be made in exceptional cases, in respect of all the posts on the recommendations of the Selection Committee.
2. Canvassing in any form by or on behalf of the candidate will disqualify.
3. Candidates for teaching posts only from outside Delhi, when called for interview will be paid to and from single second class rail fare.
4. The University reserves the right not to fill up any of the vacancies advertised if the circumstances so warrant.

Madan Mohan
REGISTRAR

KARNATAKA REGIONAL ENGINEERING COLLEGE SURATHKAL (D.K.)

SRINIVASNAGAR P.O. 574157

WANTED

Posts	No. of Post	Scale	Total salary in the minimum grade
1. Professor	1	Rs. 1500-2500	Rs. 3,239.75
Mining Engineering			
2. Assistant Professor	3	Rs. 1200-1900	Rs. 2,786.75
(i) Mining Engg.	2		
(ii) Computer Engg.	1		
3. Lecturer	11	Rs. 700-1600	Rs. 1,806-25
(i) Applied Mechanics	1		
(ii) Electrical Engg.	2		
(iii) Computer Engg.	1		
(iv) Mechanical Engg.	2		
(v) Chemical Engg.	1		
(vi) Physics	1		
(vii) Chemistry	1		
(viii) Mining Engg.	2		

Apply in the prescribed form on or before 17-11-1986. The prescribed form along with details of qualification and instructions can be had from the College Office sending a crossed Indian Postal Order worth Rs. 2/- in favour of the Principal, K.R.E. College, Srinivasnagar along with a self addressed envelope of size 25 x 10 cm. affixed with postage of Rs. 1.30. Application received on plain paper and after stipulated date will not be considered.

T. Ramachandran
PRINCIPAL